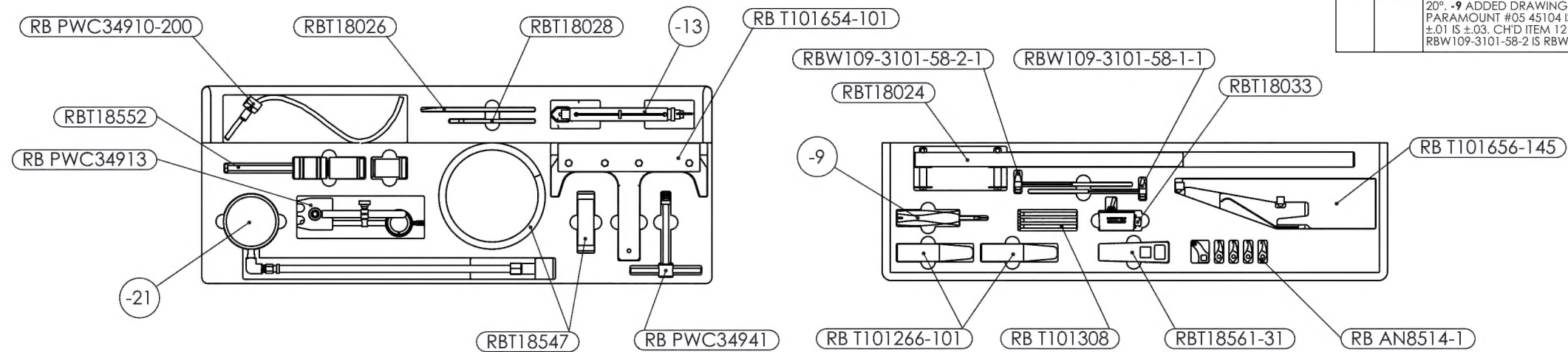


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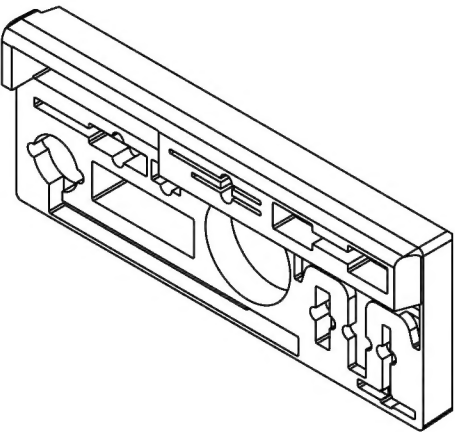
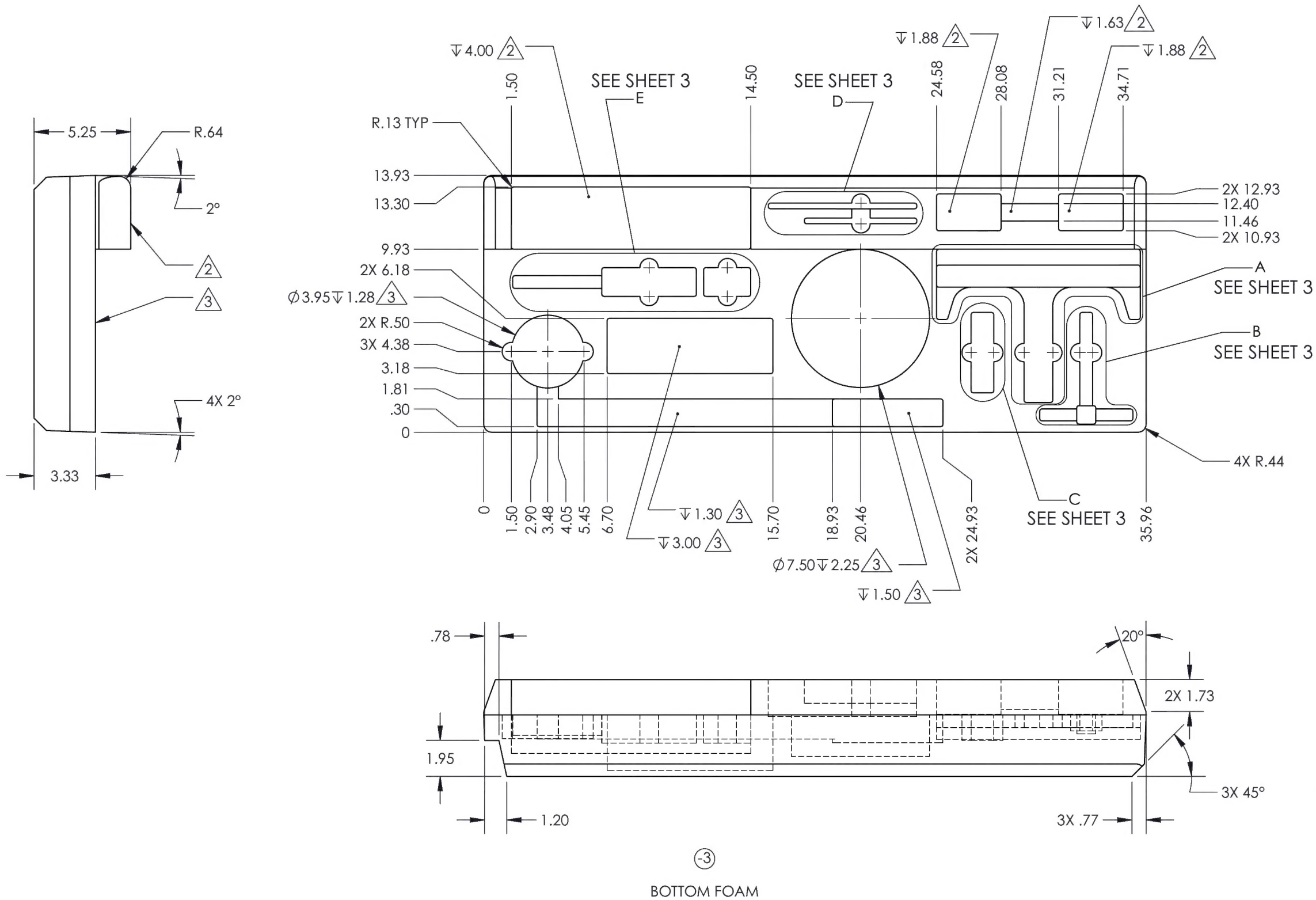
REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		RELEASED FOR PRODUCTION.	4/19/2016	RJC	JAG
2	16-0051	-1 CH'D QTY WAS 2 IS 1. -3 CH'D TOOL CUTOUTS FOR -21, RBT18547, RBT18552, RB PWC70403, RB PWC34941 FOR BETTER FIT. CH'D B/O INFO WAS RB PWC70403 IS RB PWC34910-200.	5/16/2016	RJC	JAG
3	16-0059	-3 CH'D CUTOUT FOR RB PWC34941 TO ALLOW PROPER FIT FOR TWO DIFFERENT VERSIONS OF TOOL. CH'D CUTOUT FOR RBT18552, CH'D DEPTH FOR RBT18547 WAS ∇ 1.23 IS ∇ 1.38. -5 CH'D CUTOUT FOR RBT18024 FOR LONGER BOLTS, DELETED CUT OUT FOR CONNECTOR ASSY., ADDED CUTOUT FOR RBT18033 -15, -17, -19, AND -27 DELETED. ADDED RBT18033. -29 CH'D SUPPLIER P/N WAS #BQ-BQ101 IS BQ101-HFIM19-HFIF03+5406-4-2@18" OAL. -35 CH'D DIM WAS 10.63 IS 9.17.	6/24/2016	RJC	JAG
4	16-0143	-3 DELETED DIM 4X R.64, ADDED 3X .65 X 45°, CH'D DIM WA 2X 2.00 IS 1.95, WAS 2X 1.43 IS 1.20. -5 ADDED CUTOUT FOR RBW109-3101-58-2. -11 REPLACED W/ RBT18561-31. -35 ADDED RBW109-3101-58-2.	9/6/2016	RJC	JAG
5	17-0127	RBW109-3101-58-1 REPLACED W/ RBW109-3101-58-1-1. RBW109-3101-58-2 REPLACED W/ RBW109-3101-58-2-1. -3 CH'D MAT'L WAS Y-20 BLACK IS ETHAFOAM 220, BLACK. CH'D DIMS WAS 3.29 IS 6.41, WAS 2X 7.42 IX 8.98. CORRECTED CUTOUT FOR RBT18522. ADDED DETAIL VIEWS B, C, D, E ON SHEET 3. -3, -5 CH'D B/O REF WAS (I.R. SPECIALTY) IS (CASE SOLUTIONS). -5 CH'D MAT'L WAS Y-20, BLACK IS ETHAFOAM 220, BLACK. CH'D RIBBON HANDLE NOTE, ADDED DIMS ∇ .86, 27.81, 6.23. DELETED DIM 20°. -9 ADDED DRAWING TO MODIFY B/O ADDING SLOT TO END OF HANDLE. -23 CH'D B/O REF WAS PARAMOUNT #05 45104 IS (PARAMOUNT #0545091). -35 CH'D TOLERANCES WAS \pm .005 IS \pm .010. WAS \pm .01 IS \pm .03. CH'D ITEM 12 WAS RBW109-3101-58-1 IS RBW109-3101-58-1-1. CH'D ITEM 13 WAS RBW109-3101-58-2 IS RBW109-3101-58-2-1. CH'D GRAPHICS TO REFLECT NEW CUTOUT FOR ITEM 5.	5/31/2017	DPD	JAG

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
				1	BORESCOPE GUIDE TUBE		RB PWC34910-200	1
				1	SEAL INSTALLATION WORKAID		RBT18026	1
				1	LUBRICATION WORKAID		RBT18028	1
				1	SIGHT GLASS PULLER		RBT18552	1
				1	FIXTURE HOLDING		RB PWC34913	1
				1	T/R GEAR BOX DRAIN TOOL		RBT18547	1
				1	M/R TAB BENDER		RB T101654-101	1
				1	PULLER, WRENCH		RB PWC34941	1
				1	SWASHPLATE LINK AND DRIVE LINK BEARINGS WORK AID		RBT18024	1
				1	HAMMER, STEEL, BLADE CORROSION AND VOIDS DETECTION		RBW109-3101-58-1-1	1
				1	HAMMER, ALUMINUM, BLADE CORROSION AND VOIDS DETECTION		RBW109-3101-58-2-1	1
				1	BEND ANGLE GAGE, TRIM TAB		RB T101656-145	1
				2	BLADE BOLT BULLET		RB T101266-101	1
				1	JACK SCREW SET		RB T101308	1
				1	ADJUSTABLE SPANNER WRENCH		RB AN8514-1	1
				1	BATTERY TEMP CAUTION LIGHT TESTER		RBT18033	5
				1	10X MAGNA-LITE		RBT18561-31	1
		B/O	-1	1	CASE	PLASTIC	PELICAN #APP-1700-E	N/S
		B/O	-3	1	BOTTOM FOAM	ETHAFOAM 220, BLACK	3.00 X 13.63 X 35.63 (CASE SOLUTIONS)	2 & 3
		B/O	-5	1	TOP FOAM	ETHAFOAM 220, BLACK	2.06 X 13.62 X 35.62 (CASE SOLUTIONS)	4
		B/O	-7	1	STIFFENER	COROPLAST	.24 X 9.72 X 35.62 BLACK (I.R. SPECIALTY)	5
		B/O	-9	1	LG. DZUS SCREWDRIVER		[SNAP-ON #S6180]	6
		B/O	-13	1	LINEAR SCALE	BRASS	50 LB X 8oz AMERICAN SCALE #IN-050M	1
	X		-21	1	ROTOR BRAKE MASTER CYLINDER TESTER			7
	1	B/O	-23		GAUGE	S.S	3-1/2in. 1/4L 600 psi (ASHCROFT #1009SW, PARAMOUNT #0545091)	7
	1	B/O	-25		ELBOW	BRASS	1/4 NPT 90° (MCMASTER-CARR #50785K36)	7
	1	B/O	-29		BRAKE HOSE		PACIFIC RUBBER #BQ101-HFIM19-HFIF03+5406-4-2@18" OAL	7
	1	B/O	-31		BOND SEAL WASHER		(PACIFIC RUBBER #BRE9900-4)	7
	1	B/O	-33		COUPLING HALF, HOSE ATTACHING	ALUMINUM	[EATON #375508-5]	7
			-35	1	RED LOCATION CARD	LAMINATED CARD		8
		B/O	-37	1	LANYARD	COATED STEEL	Ø1/16 X 14 (CARR LANE #CL-2-C)	N/S
		B/O	-39	2	FERRULE	ALUMINUM	Ø1/16 X 3/8 (MCMASTER-CARR #3896T31)	N/S
		B/O	-41	1	GROMMENT	NICKEL-PLATED BRASS	SIZE 00, Ø.42 OD (MCMASTER-CARR #86625K31)	N/S
		B/O		1	DART PLACARD	ALUMINUM	RB41011	N/S
	ASSY -21							

TITLE 412 FIELD MAINTENANCE KIT			
DWG NO. RB T18025			REV 5
MAT'L HEAT TREAT FINISH SPEC		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX \pm .005 FRACTIONS \pm 1/8 .XX \pm .01 ANGLES \pm 5° .X \pm .1 SURFACES = 125/✓	
DRAWN BY: CLOUGH		1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
CHECKED: DUERFELDT		2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
OPPS APPR: ANDERSON		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
QA APPR: LINDSAY		USED ON MODEL	
APPROVED: GILBERT		BELL 412	
SCALE 1:10	DATE 4/15/2016	SHEET 1 OF 8	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0051	-3 CH'D TOOL CUTOUTS FOR -21, RBT18547, RBT18552, RB PWC70403, RB PWC34941 FOR BETTER FIT.	5/16/2016	RJC	JAG
3	16-0059	-3 CH'D CUTOUT FOR RB PWC34941 TO ALLOW PROPER FIT FOR TWO DIFFERENT VERSIONS OF TOOL, CH'D CUTOUT FOR RBT18552. CH'D DEPTH FOR RBT18547 WAS ∇ 1.23 IS ∇ 1.38.	6/24/2016	RJC	JAG
4	16-0143	-3 DELETED DIM 4X R.64, ADDED 3X .65 X 45°, CH'D DIM WA 2X 2.00 IS 1.95, WAS 2X 1.43 IS 1.20.	9/6/2016	RJC	JAG
5	17-0127	-3 CH'D MAT'L WAS Y-20 BLACK IS ETHAFOAM 220, BLACK. CH'D DIMS WAS 3.29 IS 6.41, WAS 2X 7.42 IX 8.98. CORRECTED CUTOUT FOR RBT18522. ADDED DETAIL VIEWS B, C, D, E ON SHEET 3.	5/31/2017	DPD	HAG

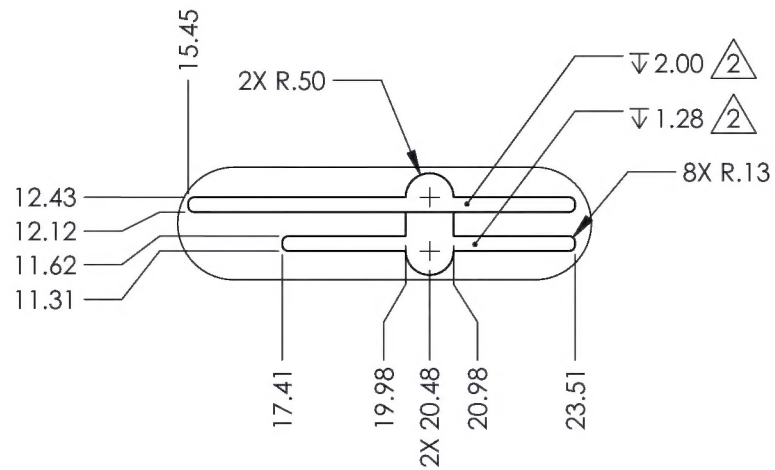


- NOTES:
- SEE SIDE VIEW FOR SURFACE IDENTIFICATION.
 - DEPTH CALLED FROM THIS SURFACE.
 - DEPTH CALLED FROM THIS SURFACE.

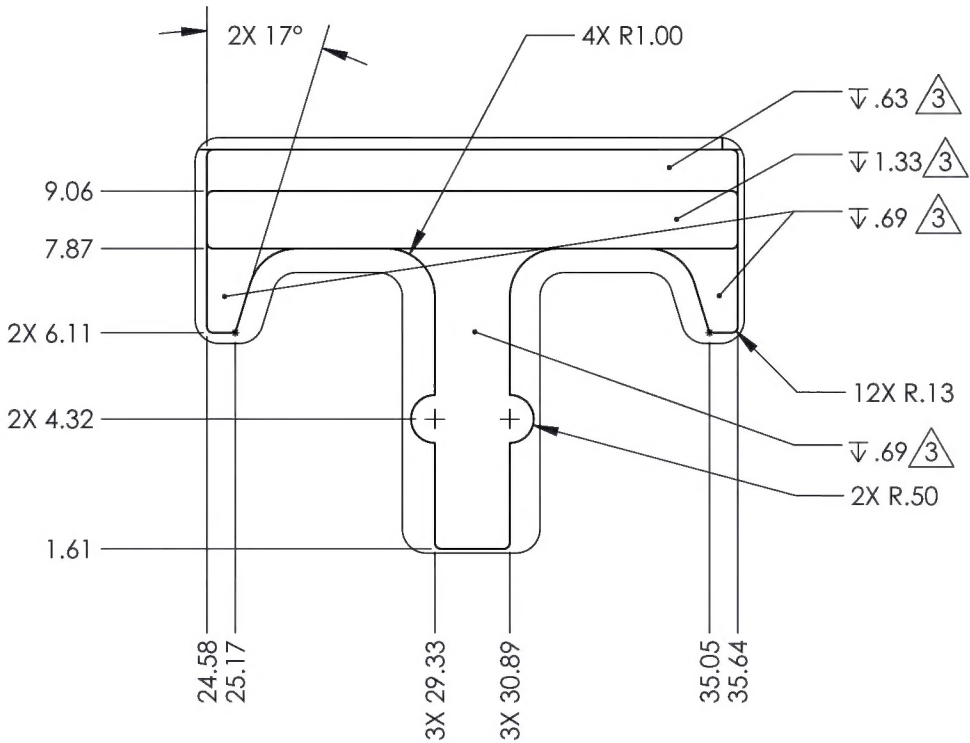
DART AEROSPACE			
TITLE 412 FIELD MAINTENANCE KIT			
DWG NO. RBT18025-3			REV 5
MAT'L ETHAFOAM 220, BLACK		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT TREAT		.XXX \pm .010 FRACTIONS \pm 1/8	
FINISH		.XX \pm .03 ANGLES \pm 1°	
SPEC		.X \pm .1 SURFACES = 125✓	
DRAWN BY: CLOUGH		1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
CHECKED: DUERFELDT		2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
OPPS APPR: ANDERSON		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
QA APPR: LINDSAY		USED ON MODEL	
APPROVED: GILBERT		BELL 412	
SCALE 1:6		DATE 4/15/2016	SHEET 2 OF 8

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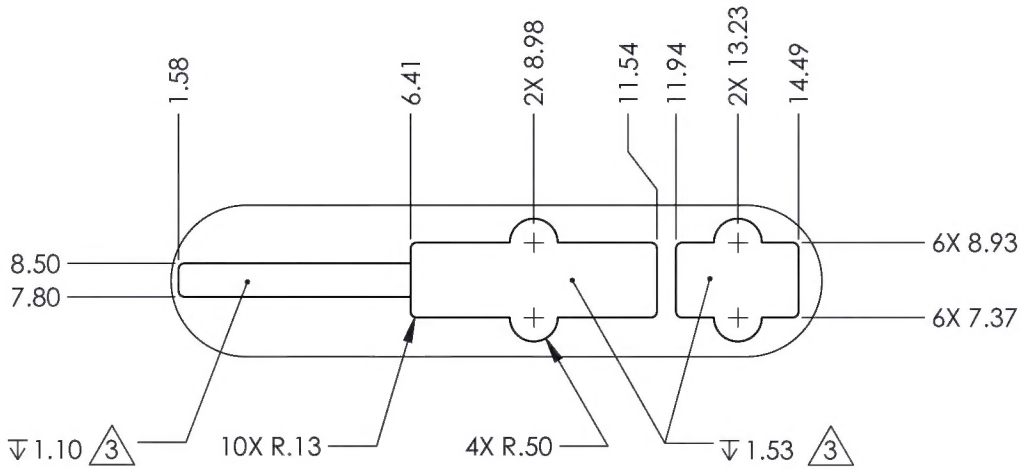
REVISIONS							
REV	ECR	DESCRIPTION			DATE	INITIAL	APPROVED
5	17-0127	-3 ADDED DETAIL SHEET.			6/1/2017	DPD	JAG



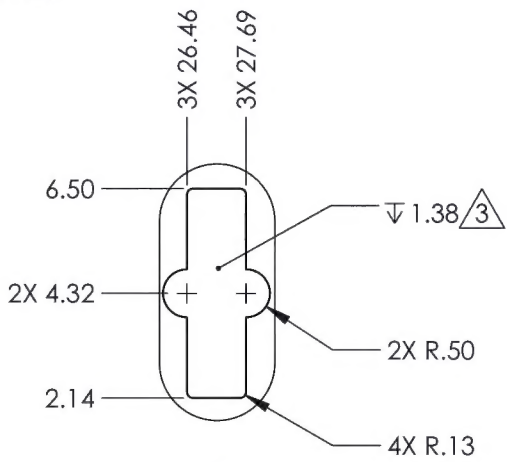
DETAIL D
SCALE 1 : 4



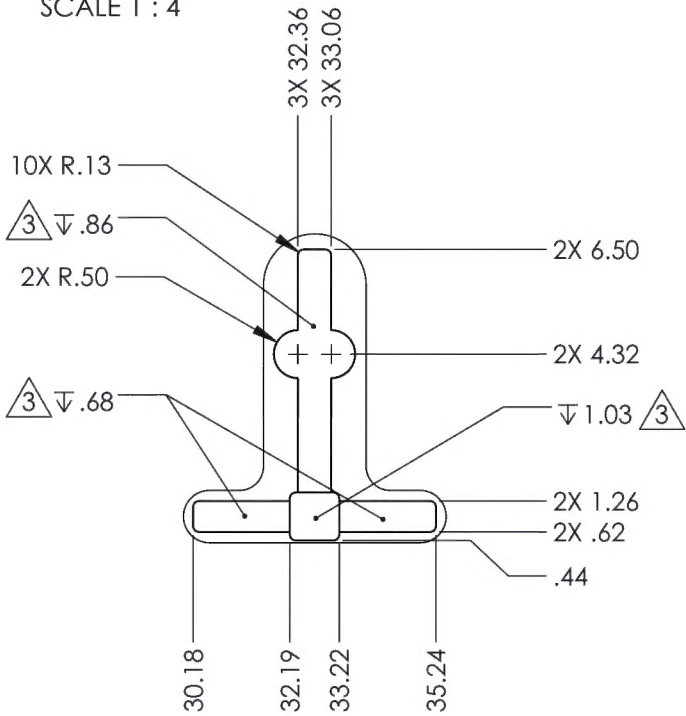
DETAIL A
SCALE 1 : 4



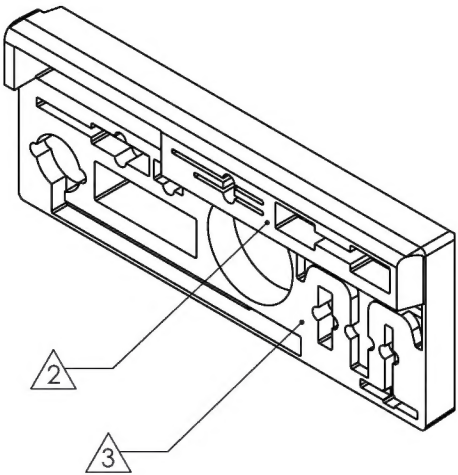
DETAIL E
SCALE 1 : 4



DETAIL C
SCALE 1 : 4



DETAIL B
SCALE 1 : 4



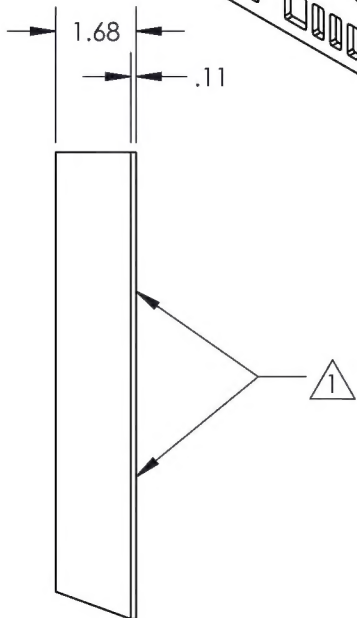
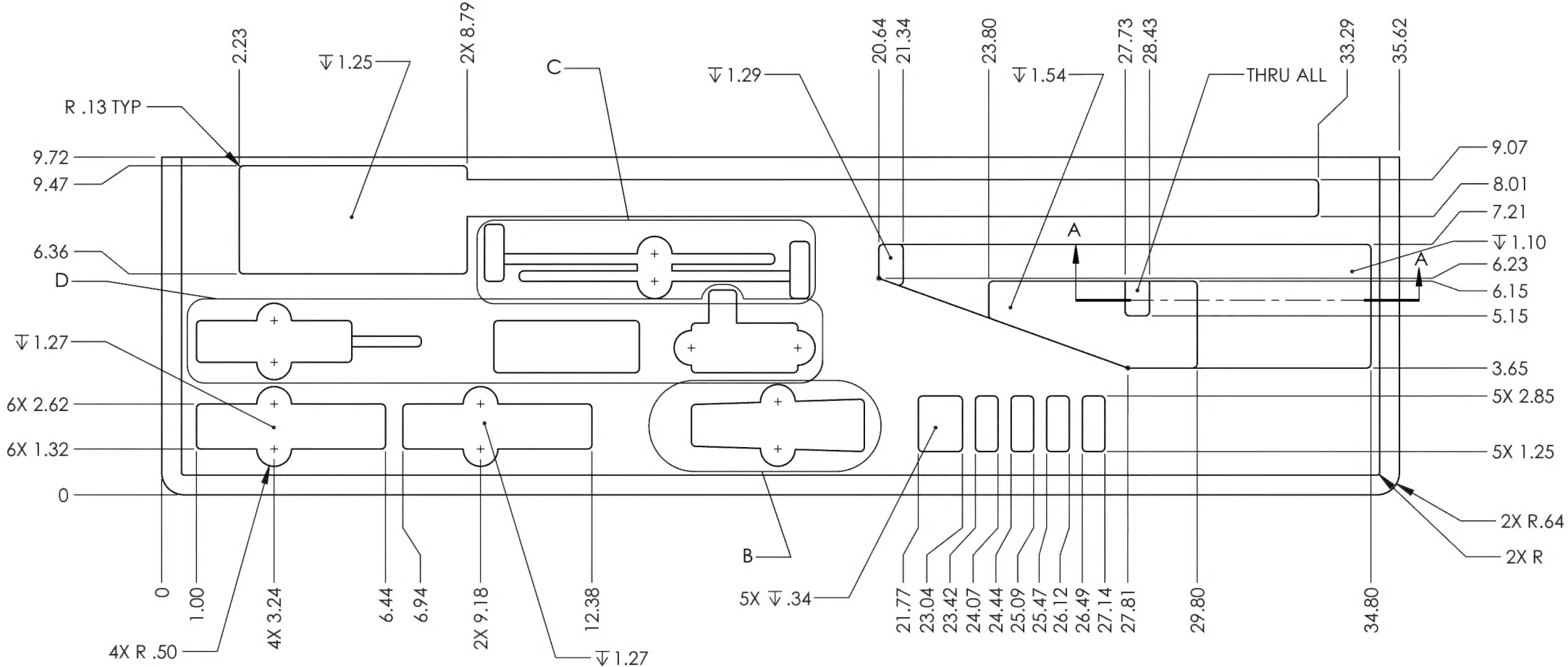
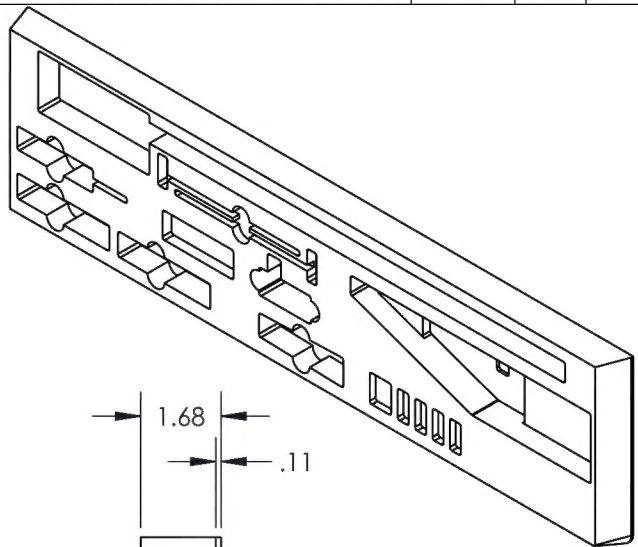
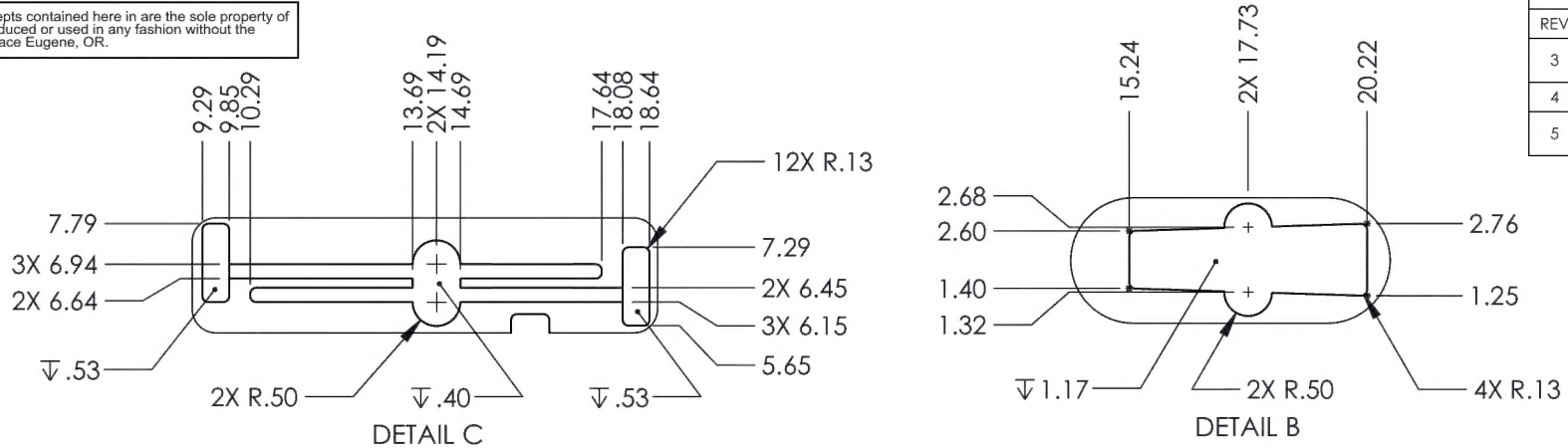
- NOTES:
- 2 DEPTH CALLED FROM THIS SURFACE.
 - 3 DEPTH CALLED FROM THIS SURFACE.

DART AEROSPACE			
TITLE 412 FIELD MAINTENANCE KIT			
DWG NO. RBT18025-3			REV 5
MAT'L ETHAFOAM 220, BLACK		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT TREAT		.XXX ± .010 FRACTIONS ± 1/8	
FINISH		.XX ± .03 ANGLES ± 1°	
SPEC		.X ± .1 SURFACES = 125✓	
DRAWN BY: CLOUGH		1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
CHECKED: DUERFELDT		2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
OPPS APPR: ANDERSON		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
QA APPR: LINDSAY		USED ON MODEL	
APPROVED: GILBERT		BELL 412	
SCALE 1:6		DATE 4/15/2016	SHEET 3 OF 8

(-3)
BOTTOM FOAM

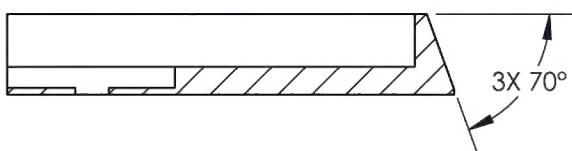
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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	16-0059	-5 CH'D CUTOUT FOR RBT18024 FOR LONGER BOLTS, DELETED CUT OUT FOR CONNECTOR ASSY., ADDED CUTOUT FOR RBT18033.	6/24/2016	RJC	JAG
4	16-0143	-5 ADDED CUTOUT FOR RBW109-3101-58-2.	9/6/2016	RJC	JAG
5	17-0127	-5 CH'D MAT'L WAS Y-20, BLACK IS ETHAFOAM 220, BLACK.CH'D RIBBON HANDLE NOTE. ADDED DIMS ↴ 8.6,27.81, 6.23. DELETED DIM 20°.	6/1/2017	DPD	

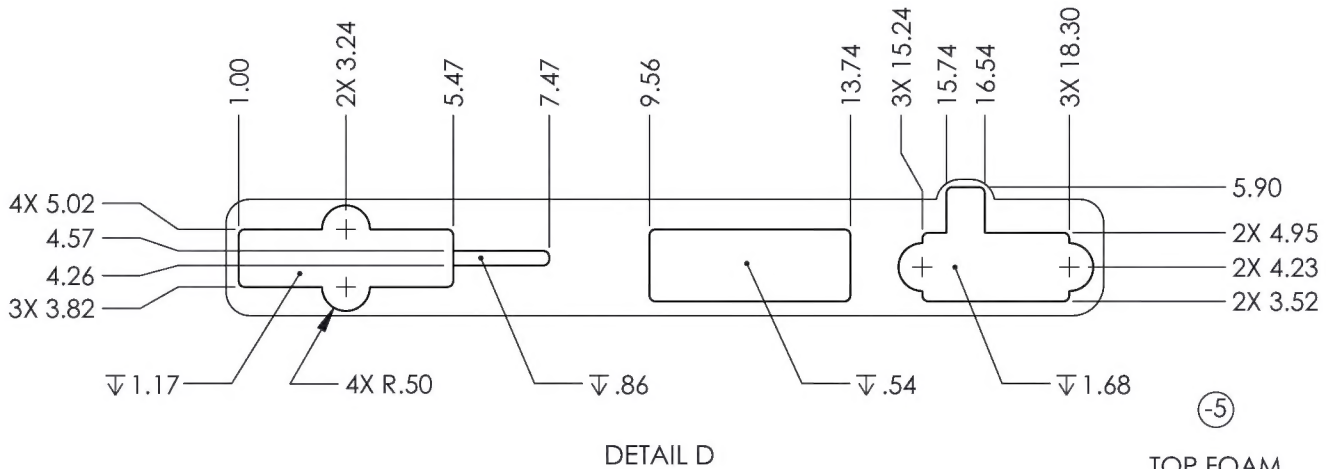


NOTE:

1 ATTACH -7 TO -5 WITH RIBBON HANDLE LOOPS
LARGE ENOUGH TO ACCOMMODATE LARGE
HANDS AND FOLD ON TOP OF -5.




SECTION A-A



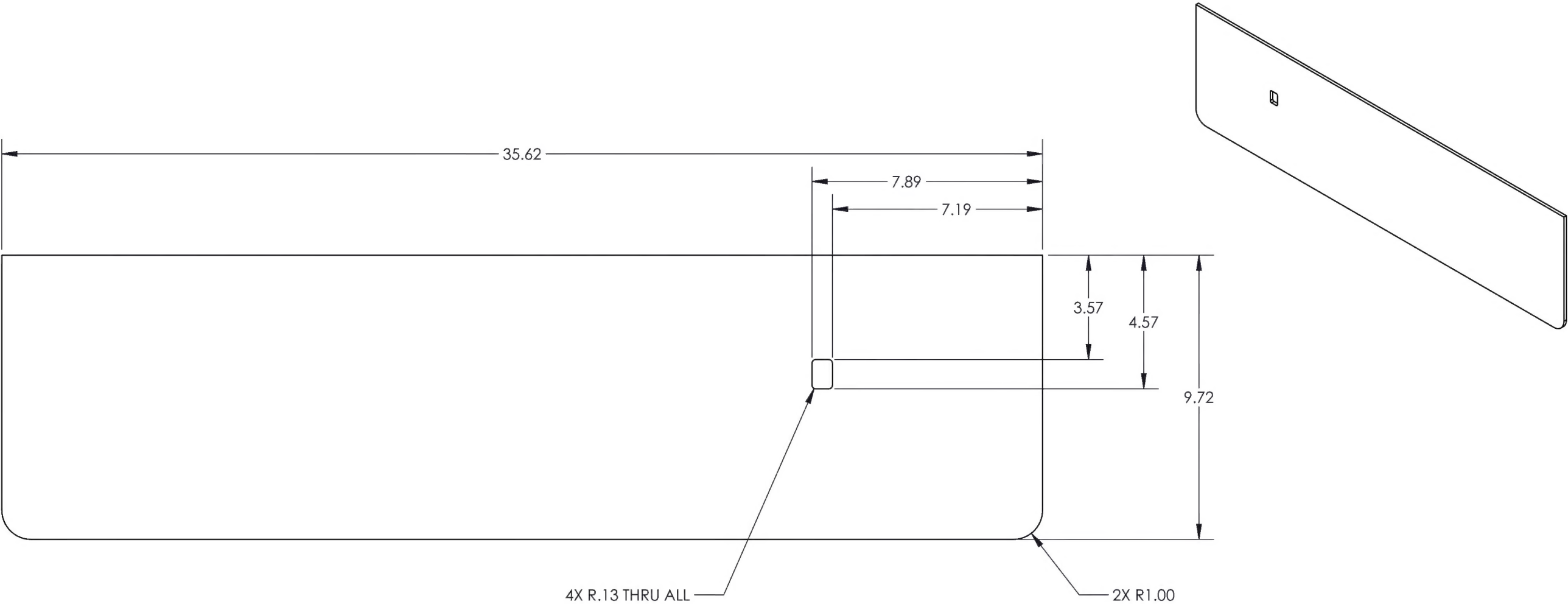
DETAIL D

TOP FOAM

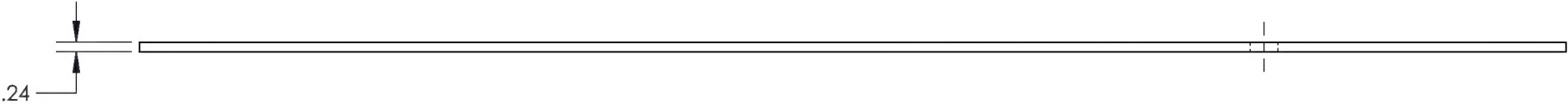
			
TITLE 412 FIELD MAINTENANCE KIT			
DWG NO. RBT18025-5			REV 5
MAT'L ETHAFOAM 220, BLACK		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT TREAT		.XXX ± .010 FRACTIONS ± 1/8	
FINISH		.XX ± .03 ANGLES ±1°	
		.X ± .1 SURFACES = 125/√	
SPEC		1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
DRAWN BY: CLOUGH		2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
CHECKED: DUERFELDT		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
OPPS APPR: ANDERSON		USED ON MODEL	
QA APPR: LINDSAY		BELL 412	
APPROVED: GILBERT			
SCALE 1:4	DATE 4/15/2016	SHEET 4 OF 8	

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
APPROVED				



NOTE:
VENDOR TO ATTACH A 1in. WIDE BLACK RIBBON LIFTING HANDLE TO EACH END OF COROPLAST. LOOP TO BE LARGE ENOUGH TO ACCOMODATE LARGE HANDS AND FOLD OVER ON TOP OF FOAM FOR STORAGE. -5 TOP FOAM TO BE ATTACHED TO -7 STIFFENER.

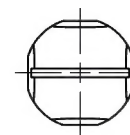
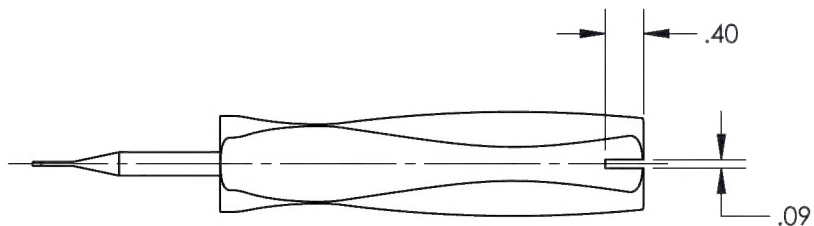
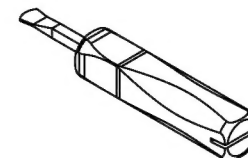


(-7)
STIFFENER

DART AEROSPACE			
TITLE 412 FIELD MAINTENANCE KIT			
DWG NO. RBT18025-7			REV 5
MAT'L COROPLAST		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT		.XXX ± .010	FRACTIONS ± 1/8
TREAT		.XX ± .03	ANGLES ±1°
FINISH		.X ± .1	SURFACES = 125/
SPEC		1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
DRAWN BY:	CLOUGH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
CHECKED:	DUERFELDT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
OPPS APPR:	ANDERSON	USED ON MODEL	
QA APPR:	LINDSAY	BELL 412	
APPROVED:	GILBERT		
SCALE	1:4	DATE	4/15/2016
SHEET 5 OF 8			

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
5	17-0127	-9 ADDED DRAWING TO MODIFY B/O ADDING SLOT TO END OF HANDLE.	5/31/2017	DPD	JAG



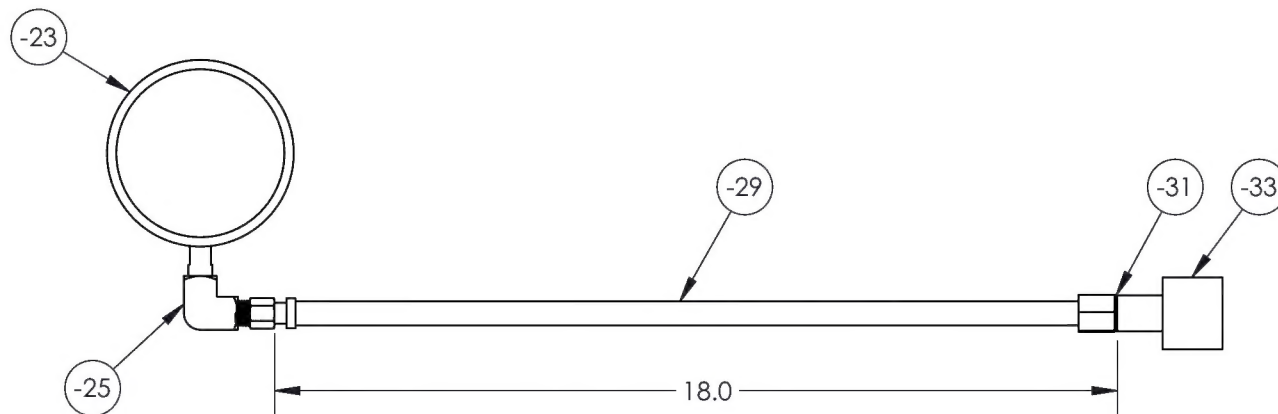
(-9)

LG. DZUS SCREWDRIVER

DART AEROSPACE	
TITLE 412 FIELD MAINTENANCE KIT	
DWG NO. RBT18025-9	REV 5
MAT'L HEAT TREAT FINISH	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125°
SPEC	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
DRAWN BY: CLOUGH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
CHECKED: DUERFELDT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	
SCALE 1:2	DATE 3/6/2017
SHEET 6 OF 8	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	16-0059	-21 DELETED -27 FROM ASSY, CH'D SUPPLIER P/N WAS #BQ-BQ101 IS BQ101-HFIM19-HFIF03+5406-4-2@18" OAL.	6/24/2016	RJC	JAG



(-21)

ROTOR BRAKE MASTER CYLINDER TESTER

DART AEROSPACE	
TITLE 412 FIELD MAINTENANCE KIT	
DWG NO. RBT18025-21	REV 5
MAT'L FEAT TREAT FINISH SPEC	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125°
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	H175
SCALE 1:4	DATE 4/18/2016
SHEET 7 OF 8	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	16-0059	-35 CH'D DIM WAS 10.63 IS 9.17.	6/24/2016	RJC	JAG
4	16-0143	-35 ADDED RBW109-3101-58-2.	9/6/2016	RJC	JAG
5	17-0127	-35 CH'D TOLERANCES WAS ±.005 IS ±.010, WAS ±.01 IS ±.03. CH'D ITEM 12 WAS RBW109-3101-58-1 IS RBW109-3101-58-1-1. CH'D ITEM 13 WAS RBW109-3101-58-2 IS RBW109-3101-58-2-1. CH'D GRAPHICS TO REFLECT NEW CUTOUT FOR ITEM 5.	6/1/2017	DPD	JAG

7.00

6.00

RBT18025

ITEM	P/N	DESCRIPTION	QTY.
1	RB PWC34910-200	BORESCOPE GUIDE TUBE	1
2	RBT18026	SEAL INSTALLATION WORKAID	1
3	RBT18028	LUBRICATION WORKAID	1
4	RBT18025-13	LINEAR SCALE	1
5	RBT18552	SIGHT GLASS PULLER	1
6	RB PWC34913	FIXTURE HOLDING	1
7	RBT18025-21	ROTOR BRAKE MASTER CYLINDER TESTER	1
8	RBT18547	T/R GEAR BOX DRAIN TOOL	1
9	RB PWC34941	PULLER, WRENCH	1
10	RB T101654-101	M/R TAB BENDER	1
11	RBT18024	SWASHPLATE LINK & DRIVE LINK BEARINGS WORKAID	1
12	RBW109-3101-58-1-1	HAMMER, STEEL, BLADE CORROSION & VOIDS DETECTION	1
13	RBW109-3101-58-2-1	HAMMER, ALUMINUM, BLADE CORROSION & VOIDS DETECTION	1
14	RB T101656-145	BEND ANGLE GAGE, TRIM TAB	1
15	RBT18025-9	LG. DZUS SCREWDRIVER	1
16	RB T101266-101	BLADE BOLT BULLET	2
17	RB T101308	JACK SCREW SET	1
18	RBT18561-31	10X MAGNA-LITE	1
19	RBT18033	BATTERY TEMP. CAUTION LIGHT TESTER	1
20	RB AN8514-1	ADJUSTABLE SPANNER WRENCH	1

DART

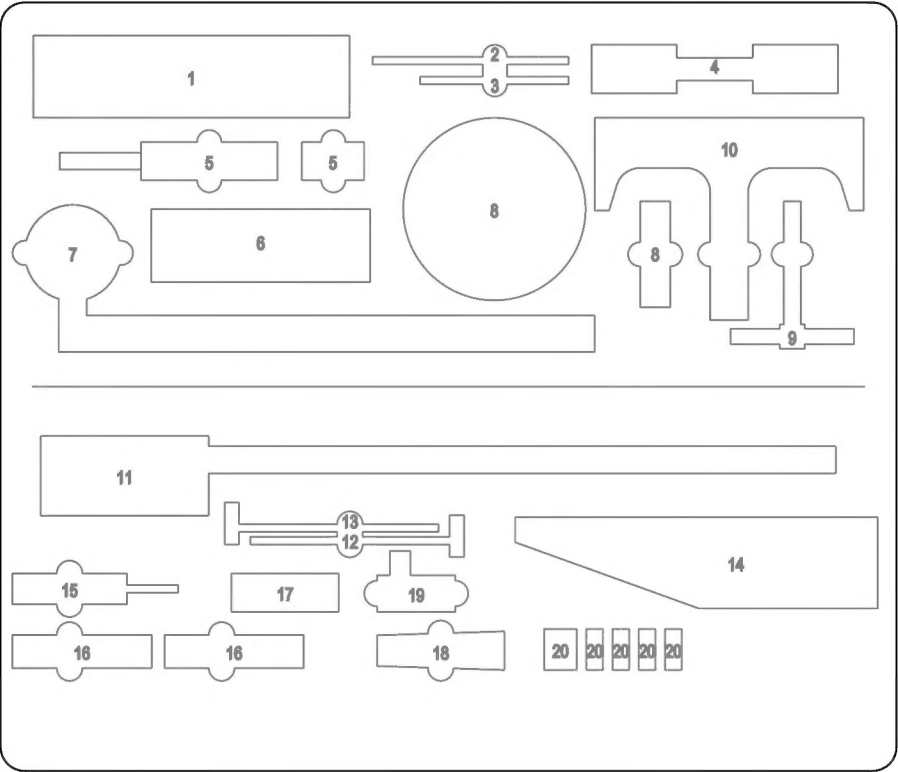
AEROSPACE

190 S. Danabo Ave., Eugene, OR 97401

1-800-656-4166

e-mail: sales @dartastro.com

dartaerospace.com



FRONT SIDE OF CARD

BACK SIDE OF CARD

NOTE:
THE CARD PAPER IS TO BE RED AND LAMINATED.
THE CARD WILL BE ATTACHED TO A LANYARD WITH
A GROMMET. THE OTHER END OF THE LANYARD
CABLE WILL BE ATTACHED TO THE LEFT REAR
(WHEEL END) OF THE PELICAN CASE.

-35

RED LOCATION CARD

DART

AEROSPACE

TITLE

412 FIELD MAINTENANCE KIT

DWG NO.

RBT18025-35

REV

5

MAT'L LAMINATED CARD

UNLESS OTHERWISE SPECIFIED

HEAT TREAT

FINISH

SPEC

DRAWN BY: CLOUGH

CHECKED: DUERFELDT

OPPS APPR: ANDERSON

QA APPR: LINDSAY

APPROVED: GILBERT

SCALE 2:3

DATE 4/18/2016

SHEET 8 OF 8

DIMENSIONS ARE IN INCHES

FRACTIONS ± 1/8

ANGLES ±1°

SURFACES = 125°

1. BREAK ALL SHARP EDGES

2. DIMENSIONAL LIMITS APPLY

3. INTERPRET DIM AND TOL PER

ASME Y14.5M-2009

USED ON MODEL